

# SHOAL CREEK

## 15<sup>th</sup> to 28<sup>th</sup> Restoration

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# WATERSHED PROTECTION PROBLEMS

## Creek Erosion

- Loss of parkland and trees
- Threat to trails, utilities and infrastructure
- Poor overland drainage
- Public Safety



## Water Quality

- Compacted soils, low infiltration
- Poor ecological habitat
- Poor riparian Conditions
- Nutrients, Toxics, Sediment and Bacteria



# BANK STABILIZATION

PHOTO  
SIMULATION



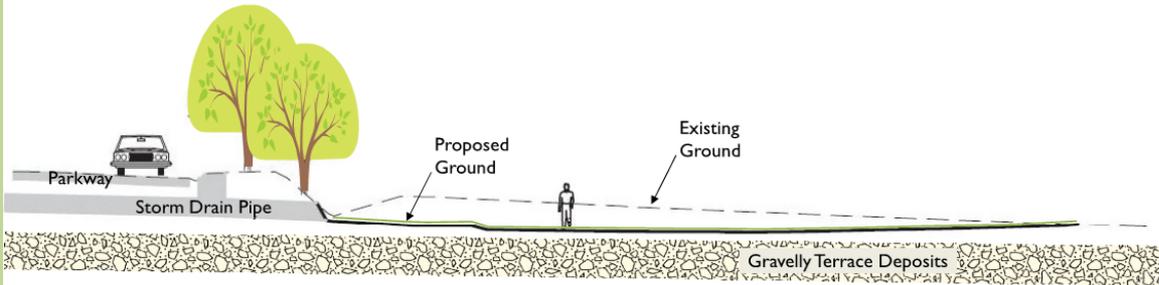
# BANK STABILIZATION



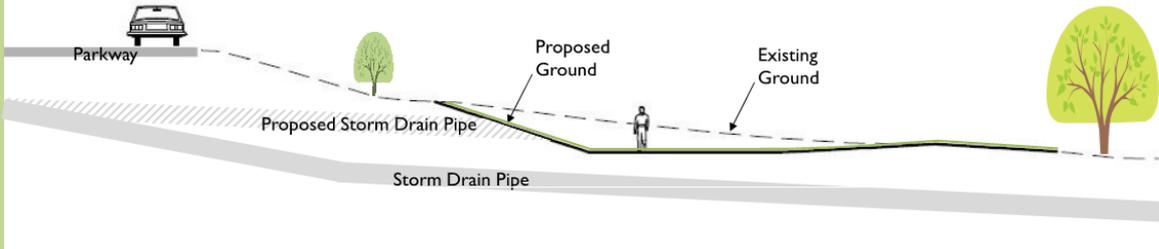
# WATER QUALITY ENHANCEMENT

**ANNUAL SEDIMENT REMOVAL =  
10,820 LBS/YR**

Cross section for Custer's Meadow (south of the current parking area)



Cross section for Windsor Meadow (north of the current parking area)



**Legend**

- Water flow
- Photo simulation (see separate boards)
- Location of Photos 1 & 2

0 50 100 150 200 Feet

# CUSTER'S RAIN MEADOW



# RIPARIAN RESTORATION



# CREEK CROSSING

PHOTO  
SIMULATION



# LAMAR TRAIL UNDER 24<sup>TH</sup> STREET



# PROJECT SUMMARY

- \$5.8M Construction
- 3 phases
- 18 month construction (all phases)
- Bid open Sept 2013
- Start construction Nov 2013

